

**NONPROVISIONAL PATENT  
APPLICATION TRANSMITTAL RULE §1.53(b)  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Customer No. 004372  
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Docket No. 108273-00007  
Date: March 16, 2004

Director of the U.S. PTO  
Washington, D.C. 20231

Sir:

Transmitted herewith for filing under 37 C.F.R. §1.53(b) is a nonprovisional patent application:

For (Title): SEMICONDUCTOR MEMORY DEVICE WITH SHIFT REGISTER-BASED  
REFRESH ADDRESS GENERATION CIRCUIT

By (Inventors): Kaoru MORI (Kawasaki, Japan); Katuhiro MORI (Kawasaki, Japan);  
Shinichi YAMADA (Kawasaki, Japan); Kuninori KAWABATA (Kawasaki, Japan);  
and Shigemasa ITO (Kawasaki, Japan)

- ☒ 63 pages of Specification/Claims 1-12/Abstract are attached.
- ☒ Formal drawings (Fig(s). 1-16, 17A and 17B; 17 sheet(s)) is/are attached.
- ☒ A Declaration and Power of Attorney is attached.
- ☒ An assignment of the invention to FUJITSU LIMITED is attached, along with Form PTO-1595 and a check for \$40.00.
- ☒ An Information Disclosure Statement is attached, along with Form PTO-1449, and 1 reference(s).
- ☒ Priority of foreign application No. 2003-071660 filed March 17, 2003 in Japan is claimed under 35 U.S.C. §119.
- ☒ A certified copy of the above corresponding foreign application is attached.


The filing fee is calculated below and includes claim status after entry of any Preliminary Amendment noted above:

FOR:	NO. FILED	NO. EXTRA
BASIC FEE		
TOTAL CLAIMS	12 - 20	= 0
INDEP CLAIMS	1 - 3	= 0
<input type="checkbox"/> MULTIPLE DEPENDENT CLAIMS		

SMALL ENTITY		OR	LARGE ENTITY	
RATE	FEE		RATE	FEE
	\$ 385	OR		\$ 770
x 9 =	\$	OR	x 18	\$ 0
x 43 =	\$	OR	x 86	\$ 0
+145 =	\$	OR	+290	\$
TOTAL	\$	OR	TOTAL	\$ 770

- ☒ A check in the amount of \$810 (\$770 for the filing fee and \$40 for the Assignment Recordation Fee) is attached. Please charge any fee deficiency or credit any overpayment to Deposit Account No. 01-2300.

Respectfully submitted,

  
Charles M. Marmelstein  
Registration No. 25,895

CMM/rkc

103281 U.S. PTO  
031604

22859 U.S. PTO  
10/800831  
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